### (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





### (43) International Publication Date 19 May 2005 (19.05.2005)

#### PCT

# (10) International Publication Number WO 2005/043993 A1

- (51) International Patent Classification<sup>7</sup>: A01K 67/033, 67/027, A61K 49/00
- (21) International Application Number:

PCT/EP2004/052872

(22) International Filing Date:

8 November 2004 (08.11.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

 60/517,884
 7 November 2003 (07.11.2003)
 US

 03104123.9
 7 November 2003 (07.11.2003)
 EP

 04077583.5
 17 September 2004 (17.09.2004)
 EP

 60/611,705
 22 September 2004 (22.09.2004)
 US

- (71) Applicants (for all designated States except US): VIB VZW [BE/BE]; Rijvisschestraat 120, B-9052 Zwijnaarde (BE). D. COLLEN RESEARCH FOUNDATION VZW [BE/BE]; Onderwijs & Navorsing, Campus Gasthuisbe, K.U. Leuven, Herestraat 49, B-3000 Leuven (BE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): CARMELIET, Peter [BE/BE]; Sappellenbos 10, B-3052 Blanden (BE).
- (74) Common Representative: VIB VZW; Rijvisschestraat 120, B-9052 Zwijnaarde (BE).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TRANSGENIC AMPHIBIAN MODELS FOR LYMPHATIC VESSEL DEVELOPMENT

(57) Abstract: The present invention provides molecular tools for the visualization of the lymphatic vessel system in amphibian. Furthermore, the invention provides assays that allow screening for compounds able to modulate lymphangiogenesis.